

10/706,937

EXAMINER SEARCH NOTES

## Distributed Fiber Temperature Sensor System and Method

Type	LS	HS	Search Text	DTS	Time Stamp	Comments
IS&R	L1	1	("5251274").PN.	US-PGRUB, USPAT	12/04/04 10:25	Use for KERNEL of JANUS SEARCH - See next...
BRS	L2	10	("4417782"   "4463254"   "4713538"   "4729627"   "4767219").PN. OR ("5251274").URPN.	US-PGRUB, USPAT, USOCCR	12/04/04 10:30	JANUS - patents cited by the Kernel and also the patents CITING the Kernel Patent. Kernel is 5251274
BRS	L3	147	("3208342"   "3567895"   "3609731"   "3622243"   "3625589"   "3819250"   "3841731"   "3909132"   "4039248"   "4057349"   "4105337"   "4151747"   "4201446"   "4203326"   "4278349"   "4281245"   "4298794"   "4302970"   "4316388"   "4342907"   "4365896"   "4373768"   "4384793"   "4386269"   "4405237"   "4407668"   "4440509"   "4443700"   "4459477"   "4483614"   "4506153"   "4523092"   "4529875"   "4531230"   "4533829"   "4542987"   "4545253"   "4554449"   "4560868"   "4562348"   "4575259"   "4576485"   "4621929"   "4634856"   "4666235"   "4678903"   "4703175"   "4714829"   "4729627"   "4761073"   "4767219"   "4795232"   "4812645"   "4823166"   "4827487"   "4830513"   "4846547"   "5009107"   "5064270"   "5094702"   "5096277"   "5132529"   "5231681"   "5251274"   "5258614"   "5272333"   "5348396").PN. OR ("4417782"   "4713538"   "4767219"   "5419636"   "5627921"   "5821861").URPN.	US-PGRUB, USPAT, USOCCR	12/04/04 10:43	JANUS Search of TAGGED patents from the previous set...
BRS	L4	1	10096158 "10706935" "10706937"	US-PGRUB, USPAT	12/04/04 11:04	Finds only 10706935 Published, NOTE that 10706937 has NOT been published, but the PARENT has been published.
BRS	L5	2	10/096,158 "10706,935" "10706,937"	US-PGRUB, USPAT, USOCCR	12/04/04 11:00	Finds the Parent and 10706935 pubs.
IS&R	L10	387	(374/161).CCLS.	US-PGRUB, USPAT, USOCCR	12/04/04 11:15	
BRS	L11	9	L10 and @pd>"20040517"	US-PGRUB, USPAT	12/04/04 11:48	UPDATED, 09/814487 pgpub == Raman scatter with OTDR - mentions 5212755, see below
IS&R	L12	499	((374/119) or (374/107) or (374/110)).CCLS.	US-PGRUB, USPAT, USOCCR	12/04/04 11:18	
IS&R	L14	631	((374/136) or (374/137)).CCLS.	US-PGRUB, USPAT, USOCCR	12/04/04 11:17	
IS&R	L16	1210	(385/12).CCLS.	US-PGRUB, USPAT, USOCCR	12/04/04 11:18	
IS&R	L18	565	(250/227.14).CCLS.	US-PGRUB, USPAT, USOCCR	12/04/04 11:19	
IS&R	L20	1084	((340/588) or (340/589) or (340/590) or (340/591)).CCLS.	US-PGRUB, USPAT, USOCCR	12/04/04 11:20	
BRS	L13	2	L12 not L10 and @pd>"20040517"	US-PGRUB, USPAT	12/04/04 11:26	UPDATED
IS&R	L22	1	("5212755").PN.	US-PGRUB, USPAT	12/04/04 11:48	see note above...
BRS	L15	9	L14 not L12 not L10 and @pd>"20040517"	US-PGRUB, USPAT	12/04/04 12:11	UPDATED
BRS	L19	32	L18 not L16 not L14 not L12 not L10 and @pd>"20040517"	US-PGRUB, USPAT	12/04/04 12:23	UPDATED
BRS	L21	15	L20 not L18 not L16 not L14 not L12 not L10 and @pd>"20040517"	US-PGRUB, USPAT	12/04/04 12:39	UPDATED
BRS	L17	89	L16 not L14 not L12 not L10 and @pd>"20040517"	US-PGRUB, USPAT	12/04/04 12:42	UPDATED
BRS	L24	499	(Weatherford/Lamb).as.	US-PGRUB, USPAT	12/04/04 13:41	
BRS	L26	118	(Kersey adj Alan ).in.	US-PGRUB, USPAT	12/04/04 13:44	
BRS	L29	0	20 AND 24	US-PGRUB, USPAT	12/04/04 13:45	
BRS	L30	0	20 AND 26	US-PGRUB, USPAT	12/04/04 13:45	
BRS	L27	11	(10 OR 12 OR 14 OR 16 OR 18) AND 24	US-PGRUB, USPAT	12/04/04 14:17	browsed
BRS	L28	18	(10 OR 12 OR 14 OR 16 OR 18) AND 26 NOT 24	US-PGRUB, USPAT	12/04/04 13:50	browsed
BRS	L31	21	((Kersey adj Alan) and (Dunphy adj James) ).in.	US-PGRUB, USPAT	12/04/04 14:15	
BRS	L32	64	(Dunphy adj James).in.	US-PGRUB, USPAT	12/04/04 14:15	
BRS	L33	19	31 not 27 not 28	US-PGRUB, USPAT	12/04/04 14:17	browsed
BRS	L34	9	(10 OR 12 OR 14 OR 16 OR 18 or 20) AND 32	US-PGRUB, USPAT	12/04/04 14:17	browsed
BRS	L35	23	(10 OR 12 OR 14 OR 16 OR 18 or 20) AND 26	US-PGRUB, USPAT	12/04/04 14:17	browsed
BRS	L37	0	35 not 34 not 31 not 27 not 28	US-PGRUB, USPAT	12/04/04 14:18	
BRS	L36	6	34 not 31 not 27 not 28	US-PGRUB, USPAT	12/04/04 14:18	browsed
BRS	L38	2916	DTS or (Distributed adj Temperature adj Sensor) or ((fiber or fibre) with (Distributed with Temperature with Sens\$3))	US-PGRUB, USPAT	12/04/04 14:32	
BRS	L39	2615	(Distributed adj Fiber adj Bragg) or (Distributed adj Fiber adj Bragg) or FBG or (Fiber adj Bragg adj Grating) or (Fibre adj Bragg adj Grating)	US-PGRUB, USPAT	12/04/04 14:33	
BRS	L40	5249	(Rayleigh adj scatter\$3) or (Rayleigh adj back\$1scatter\$2) or (Brillouin adj scatter\$3) or (Brillouin adj back\$1scatter\$2) or (Raman adj scatter\$3) or (Raman adj back\$1scatter\$2)	US-PGRUB, USPAT	12/04/04 14:33	
BRS	L41	916	OTDR or ((optical adj time adj delay) with reflect\$3)	US-PGRUB, USPAT	12/04/04 14:34	
BRS	L42	33	38 and 39	US-PGRUB, USPAT	12/04/04 14:34	see below
BRS	L43	79	38 and 40	US-PGRUB, USPAT	12/04/04 14:35	see below
BRS	L44	74	38 and 41	US-PGRUB, USPAT	12/04/04 14:34	see below
BRS	L47	44	38 and 40 and 41	US-PGRUB, USPAT	12/04/04 14:36	see other
BRS	L48	3	38 and 40 and 41 and 39	US-PGRUB, USPAT	12/04/04 14:37	browsed
BRS	L49	33	((((702/130) or (702/6)).CCLS.) and (Distribut\$3 near2 temperature\$1) not ((Fiber with optic\$2) or (Fibre with optic\$2) ) not (((374/137) or (374/136)).CCLS.)	US-PGRUB, USPAT	12/04/04 14:42	ccccccc
BRS	L45	6	38 and 39 and 41	US-PGRUB, USPAT	12/04/04 14:46	browsed
BRS	L46	41	38 and 40 and 41 not 39	US-PGRUB, USPAT	12/04/04 15:00	browsed
BRS	L50	27	44 not 48 not 46 not 45	US-PGRUB, USPAT	12/04/04 15:18	browsed
BRS	L51	27	42 not 44 not 48 not 46 not 45	US-PGRUB, USPAT	12/04/04 15:27	browsed
BRS	L52	30	43 not 42 not 44 not 48 not 46 not 45	US-PGRUB, USPAT	12/04/04 15:28	browsed
BRS	L53	33	49 not 43 not 42 not 44 not 48 not 46 not 45	US-PGRUB, USPAT	12/04/04 15:38	checked for duplicates.